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HEAT EXCHANGER

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ABSTRACT

PURPOSE: To reduce the number of assembling steps of a temporary assembling work, improve a productivity and prevent a positional displacement of corrugated fins from occurring and side plates by a method wherein both ends of a side plate are fitted and disposed in fitting holes or concave parts disposed in relative opposing surfaces of both headers.

CONSTITUTION: A temporary assembly is carried out such that many tubes 3 are disposed in parallel to each other in side-by-side relation and side plates 5 are disposed outside both outermost tubes 3. Headers 1, 1 are fitted and arranged at both ends of the tube 3 and the side plates 5. This fitting is carried out such that ends of the tubes 3 are inserted into the tube insertion holes 6 of the header 1, and fitting projections 9 of the side plates 5 are inserted into the side plate fitting holes 8. Corrugated fins 4 are inserted into the arrangement between the tubes 3 and between the outermost tubes 3 and the side plates 5. An entire assembly is bundled together and an entire assembly is integrally connected by brazing in a furnace or the like.